

**Table 4B. National expenditures for Development: Sources of funds by sector, broken down by performers that use those funds: 1990-97<sup>1</sup>**  
 (See the historical database provided in Table 7 for the full series of historical data, arranged by the same data columns as defined in this and other tables.)

Funding Sector:	Total U.S.	Federal Government								Industry				U&Cs	Nonprofits			Nonfed. Govt. <sup>5</sup>	
Performing Sector	Total U.S.	Total	Federal Govt.	Industry <sup>2</sup>	Industry FFRDCs <sup>2</sup>	U&Cs	U&C FFRDCs <sup>3</sup>	Non-profits <sup>2</sup>	Nonprofit FFRDCs <sup>2</sup>	Total	Industry <sup>4</sup>	U&Cs <sup>5</sup>	Non-profits	U&Cs <sup>5</sup>	Total	Non-Profits	U&Cs <sup>5</sup>	U&Cs <sup>5</sup>	
Data Column Calendar Year <sup>7</sup>	[127]	[163]	[128]	[130]	[132]	[134]	[139]	[141]	[144]	[164]	[131]	[136]	[142]	[137]	[165]	[143]	[138]	[135]	
		<b>Millions of current dollars</b>																	
1990	94,118	33,820	9,700	18,966	1,438	871	1,735	619	490	59,617	59,410	82	125	221	362	275	87	97	
1991 <sup>8</sup>	95,193	31,207	8,778	17,256	1,383	998	1,537	722	533	63,251	63,030	85	136	238	394	301	93	103	
1992	99,894	31,506	9,098	17,181	1,373	1,045	1,452	758	599	67,620	67,388	89	143	244	420	322	98	103	
1993	99,746	30,021	9,071	16,083	1,039	1,092	1,374	787	574	68,917	68,674	96	147	254	446	340	105	109	
1994	103,005	30,219	8,877	16,209	1,196	1,171	1,380	814	574	71,934	71,681	101	153	271	469	357	111	111	
1995	113,445	32,773	9,539	17,824	1,209	1,201	1,645	754	600	79,791	79,518	107	166	287	477	364	114	118	
1996 prelim.	120,281	32,239	9,297	17,624	1,209	1,204	1,645	745	516	87,126	86,834	113	179	298	495	378	118	122	
1997 prelim.	128,323	31,448	8,681	17,507	1,209	1,274	1,645	682	451	95,917	95,604	120	193	312	520	397	123	127	
		<b>Millions of constant 1992 dollars</b>																	
1990	100,512	36,117	10,359	20,254	1,536	931	1,853	661	523	63,667	63,446	88	133	236	387	294	93	104	
1991 <sup>8</sup>	97,814	32,066	9,019	17,731	1,421	1,025	1,579	742	547	64,993	64,765	88	140	245	404	309	96	106	
1992	99,894	31,506	9,098	17,181	1,373	1,045	1,452	758	599	67,620	67,388	89	143	244	420	322	98	103	
1993	97,203	29,255	8,840	15,673	1,013	1,064	1,339	767	560	67,160	66,923	93	144	248	434	332	102	106	
1994	98,139	28,792	8,458	15,443	1,140	1,115	1,315	775	546	68,536	68,295	96	146	258	446	341	106	106	
1995	105,466	30,468	8,868	16,570	1,124	1,117	1,529	701	558	74,179	73,926	99	154	266	444	338	106	109	
1996 prelim.	109,326	29,303	8,450	16,018	1,099	1,094	1,495	677	469	79,191	78,925	103	163	271	450	343	107	111	
1997 prelim.	113,651	27,852	7,688	15,505	1,071	1,128	1,457	604	400	84,950	84,673	106	171	276	460	351	109	113	

<sup>1</sup>The next updates of these data, covering the years 1953-98, along with technical notes explaining methodological issues of measurement, will be provided in NSF, *National Patterns of R&D Resources: 1998* (forthcoming).

<sup>2</sup>For 1953-63, development expenditures by industry FFRDCs were not separated out from total Federal support to the industrial sector for development. Thus, the figure for Federal support to industry for development includes support for development at industry FFRDCs for those years. The same is true for development by nonprofit FFRDCs in 1953-87, which is included in Federal support for development at nonprofit institutions for those years.

<sup>3</sup>Includes all R&D expenditures of FFRDCs administered by academic institutions. In 1994, 99 percent of total funds used were from Federal sources.

<sup>4</sup>Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.

<sup>5</sup>The breakdown of academic development performance by sources other than the Federal government has been estimated for all years.

<sup>6</sup>Because of limitations in the survey information, data on nonfederal government funding to other performers are not available, and are consequently included in other sectors' support for their own R&D performance. For example, nonfederal government support to nonprofits is included in nonprofits' support for their own R&D (data column[17]).

<sup>7</sup>Expenditure levels for academic and Federal government performers are also in reference to calendar years, which represents a change from previous reporting in *National Patterns of R&D Resources*. These levels are approximations based on fiscal-year data. For academic expenditures, and Federal government expenditures starting in 1977, the calendar-year approximation is equal to 75 percent of the amount reported in the same fiscal year plus 25 percent of the amount reported in the subsequent fiscal year. For Federal government expenditures prior to 1977, the respective percentages are 50 and 50, since earlier fiscal years began on July 1 instead of October 1.

<sup>8</sup>Due to revisions in survey methodology and sampling of industrial R&D, data for 1991 and subsequent years may not be comparable to data for previous years. (See *National Patterns of R&D Resources: 1996* or *National Patterns of R&D Resources: 1998*, forthcoming.)

Key: FFRDCs=Federally Funded Research and Development Centers; U&C=universities and colleges

NOTES: Data are based on annual reports by performers except for the nonprofit sector; R&D expenditures by nonprofit sector performers have been estimated since 1973 on the basis of a survey conducted in that year. Data are preliminary for 1996 and 1997. The procedure for estimating the breakdown of industry R&D into basic research, applied research, and development was revised for 1986 and later years.

SOURCES: National Science Foundation/SRS. Data were derived from NSF/SRS, Research and Development in Industry 1995; NSF/SRS, Academic Science/Engineering: R&D Expenditures, Fiscal Year 1995; NSF/SRS, Federal Funds for Research and Development; Fiscal Years 1995, 1996, and 1997; industry data available in Standard and Poors Compustat; and an independent survey conducted by the Industrial Research Institute.